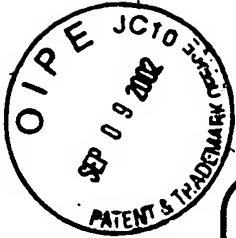


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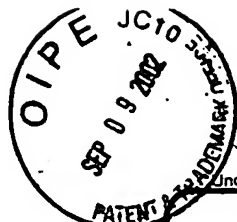
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/092,031
	Filing Date	03/05/2002
	First Named Inventor	Giorgio Rizzoni et al.
	Group Art Unit	3747
	Examiner Name	
Total Number of Pages in This Submission	18	Attorney Docket Number OSU1159-148B

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Ntc. to File Miss. Parts; Preliminary Amendment; Declaration; Powers of Attorney; Req. for Correction of Filing Receipt; copy w/changes marked; postcard filing receipt and check
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Roger A. Gilcrest
Signature	<i>Roger A. Gilcrest</i>
Date	September 3, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: September 4, 2002	
Typed or printed name	Sheri L. Burke
Signature	<i>Sheri L. Burke</i>
Date	September 4, 2002

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FEE TRANSMITTAL
for FY 2002
Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**1063.00**

Complete if Known

Application Number10/092,031

Filing Date03/05/2002

First Named InventorGiorgio Rizzoni et al.

Examiner Name

Group Art Unit

Attorney Docket No.OSU1159-148B

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:
Deposit Account Number19-4076
Deposit Account Name

The Commissioner is authorized to: (check all that apply)
☐ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified Deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL(1)					(\$) 370.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = x =
Independent Claims -3* = x =
Multiple Dependent =

Large Entity
Fee Code (\$)

Small Entity
Fee Code (\$)

Fee Description

103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL(2)					(\$) 168.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	65.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner Action	
113	1,840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	460.00
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	210	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR Section 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR Section 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
* Reduced by Basic Filing Fee Paid					
SUBTOTAL(3)					(\$) 525.00

SUBMITTED BY

Name (Print/Type)Roger A. Gilcrest

Registration No. (Attorney/Agent)31,954

Telephone614-792-5555

Signature

DateSep. 3, 2002

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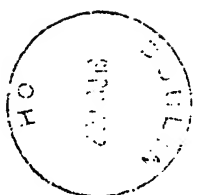
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STANDLEY & GILCREST LLP

Attorneys and Counselors at Law
495 Metro Place South
Suite 210
Dublin, Ohio 43017-5319

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Title

Engine control using torque estimation

Preliminary Class

123

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/092,031	03/05/2002	3747	0.00	OSU1159-148B	23	20	7

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CONFIRMATION NO. 7585

08698

STANDLEY & GILCREST LLP
495 METRO PLACE SOUTH
SUITE 210
DUBLIN, OH 43017

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APR 15 2002

STANDLEY & GILCREST

FILING RECEIPT



OC000000007827572

Date Mailed: 04/09/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Giorgio Rizzoni, Residence Not Provided;
~~Byung-Ho Lee, Residence Not Provided~~
Yann Guezennec, Residence Not Provided;
Ahmed Soliman, Residence Not Provided;
~~Mauro Cavallotti, Residence Not Provided~~
~~James Waters, Residence Not Provided~~
~~XXXXXXXXXXXXXXXXXXXX~~

Assignment For Published Patent Application

~~XXXXXXXXXX University, Columbus, OH~~ The Ohio State University, Columbus, Ohio
~~Delphi Automotive, Brighton, MI~~
~~XXXXXXXXXXXXXXXXXXXX~~

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/273,423 03/05/2001

Foreign Applications

If Required, Foreign Filing License Granted 04/08/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

STANDLEY & GILCREST
Received for Docketing
Date: 4/15/02



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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/092,031	03/05/2002	Giorgio Rizzoni	OSU1159-148B

08698
STANDLEY & GILCREST LLP
495 METRO PLACE SOUTH
SUITE 210
DUBLIN, OH 43017



CONFIRMATION NO. 7585

FORMALITIES LETTER



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NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$336.
 - \$336 for 4 independent claims over 3.
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1206.**

*A copy of this notice **MUST** be returned with the reply.*

Barbara Huchman
Customer Service Center

Initial Patent Examination Division (703) 308-1202

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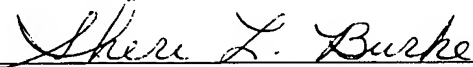
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Washington, D.C. 20231

RE: U.S. Patent Application Serial No. 10/092,031
Entitled: ENGINE CONTROL USING TORQUE ESTIMATION
Filed: March 5, 2002
Group Art Unit: 3747
Inventor: Giorgio Rizzoni et al.
Based on: U.S. Provisional Application Serial No. 60/273,423
Our reference: OSU1159-148B

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 (A)

Date of Deposit: September 4, 2002

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Sheri L. Burke


Dear Sir:

Applicant's undersigned attorney has noted the following errors in the Official Filing Receipt for the above-identified application:

1. By virtue of the filing of two (2) Preliminary Amendments, the inventorship of this application has been changed. Therefore, please delete the following inventors.
"Byungho Lee, Mauro Cavaletti, James Waters "
2. Under "Assignment for Published Patent", please delete "Delphi Automotive, Brighton, MI"; also, please delete the word "Unviersity" and insert the word --- University ---.

A copy of the Official Filing Receipt is enclosed herewith and the changes as detailed above have been made to this copy.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Roger A. Gilcrest", written over a horizontal line.

Roger A. Gilcrest
Registration No. 31,954
Standley & Gilcrest LLP
495 Metro Place North, Suite 210
Dublin, Ohio 43017
Attorneys for Applicant